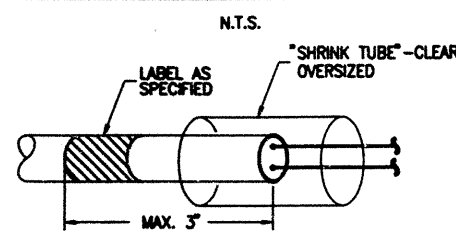


### TYPICAL CABLE LABELING METHOD



- APPLY LABEL TO OUTER JACKET OF CABLE. MAXIMUM OF 3" FROM STRIPPED END AS SHOWN. NOT TO BE COVERED BY OVERSIZED SHRINK.
- DETAIL APPLIES TO ALL CABLE TYPES

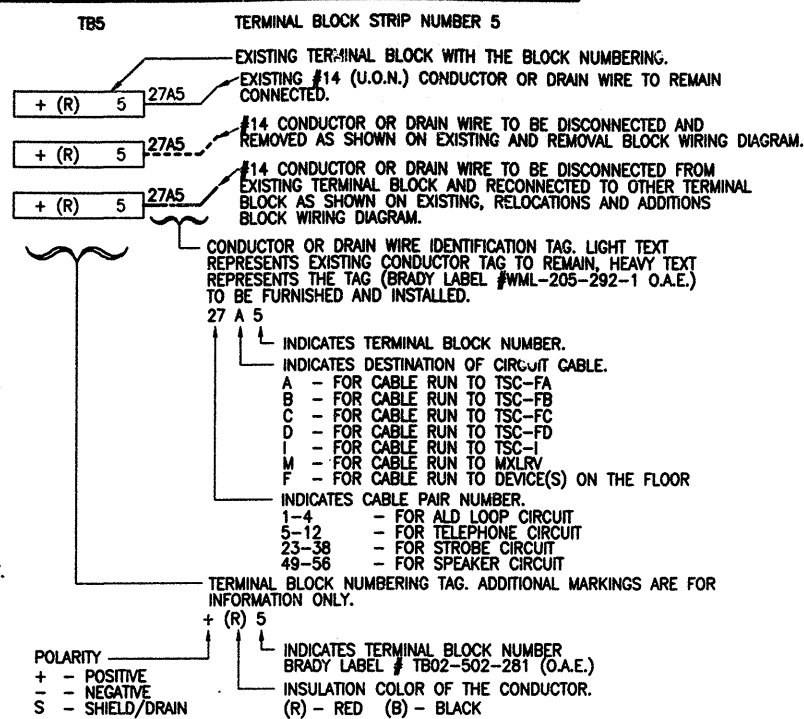
### CIRCUIT LEGEND:

**CIRCUIT DESIGNATION**  
STR-A CABLE IDENTIFICATION TAG; LIGHT TEXT REPRESENTS EXISTING CABLE TAG TO REMAIN, HEAVY TEXT REPRESENTS THE TAG (BRADY LABEL #WML-305-292 O.A.E.) TO BE FURNISHED & INSTALLED.

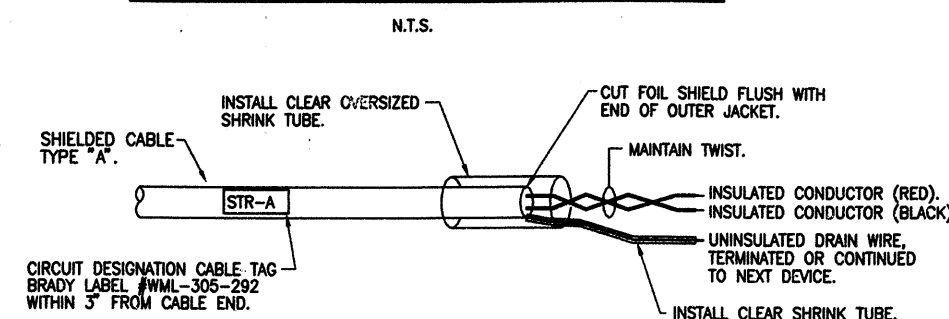
**TYPE OF CIRCUIT:**  
STR - STROBE CIRCUIT.  
SPK - SPEAKER CIRCUIT.  
ALD - ALD LOOP DEVICE CIRCUIT (EXCEPT SMOKE DETECTOR).  
TEL - TELEPHONE CIRCUIT.  
SD - SMOKE DETECTOR CIRCUIT.  
MPJ - MAINTENANCE PHONE JACK CIRCUIT.  
WP - WARDEN TELEPHONE CIRCUIT.  
SJ - STAND PIPE PHONE JACK CIRCUIT.

**CIRCUIT NUMBER OR NAME:**  
A TO G - STROBE OR SPEAKER CIRCUIT NUMBER.  
ATC - CIRCUIT TO ADDRESSABLE TERMINAL STRIP CABINET.  
PS - CIRCUIT TO PULL STATIONS.  
ELEV - CIRCUIT TO ELEVATOR LOBBY AND ELEVATOR MACHINE ROOM SMOKE DETECTORS.  
HVAC - CIRCUIT TO HVAC SMOKE DETECTOR AREA.  
IC - INTERFACE CABINET CIRCUIT.  
TIB - TENANT INTERFACE BOX.

### TERMINATION LEGEND (EXISTING AND REMOVAL)



### TYPICAL SHIELD/DRAIN INSULATING METHOD "A"



### NOTES:

1. FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG E-1.
2. ALL SHIELDS MUST BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE TYPICAL SHIELD/DRAIN INSULATING METHOD "A" ON THIS DWG.
3. ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPENS, SHORTS & STRAY VOLTAGES.
4. ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
5. DISCONNECT AND COMPLETELY REMOVE CABLES FROM BOTH ENDS. ALL WORK SHALL BE DONE ON THE PRESENCE OF THE ENGINEER.
6. DISCONNECT AND REMOVE FROM TSC CABINET, LEAVE COILED IN CEILING. MARK AS "UNUSED". ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

Sheet 21 of 84

THE PORT AUTHORITY  
OF NEW YORK & NEW JERSEY

ENGINEERING PROGRAM MANAGER  
WORLD TRADE CENTER  
CHIEF ELECTRICAL ENGINEER

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-861-573 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 2/10/00  
DATE 2/10/00  
CONTRACT ENGINEER/ARCH.  
ENGINEERING PROGRAM MGR

No. Date Revision Approved

ENGINEERING DEPARTMENT

WORLD  
TRADE  
CENTER

ELECTRICAL

Title  
FIRE ALARM SYSTEM  
DEVICE UPGRADE  
PHASE III  
5 WTC 3rd, 4th, 5th & 6th FLOORS

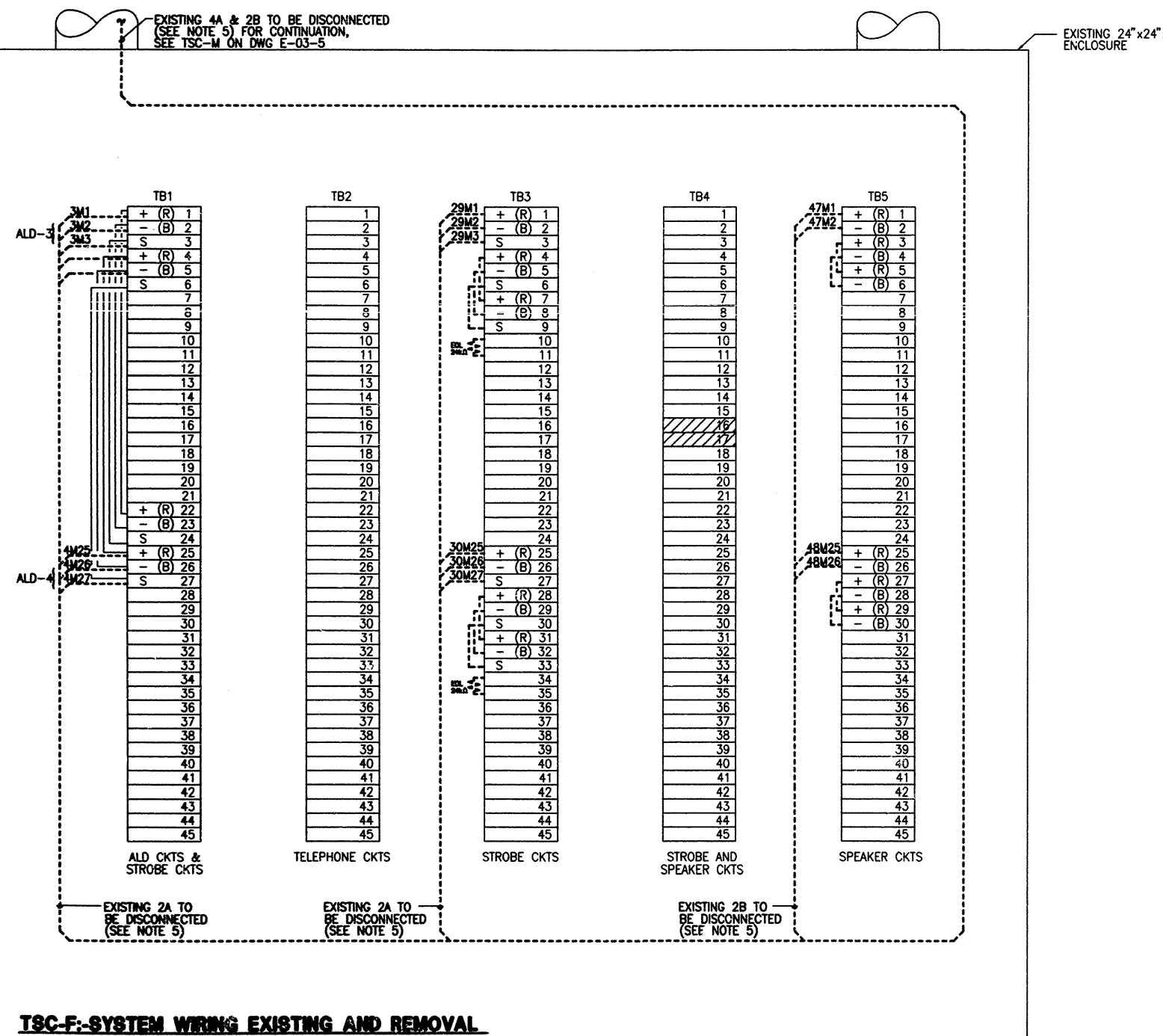
3rd FLOOR TSC-FB  
BLOCK WIRING DIAGRAM  
EXISTING AND REMOVAL

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

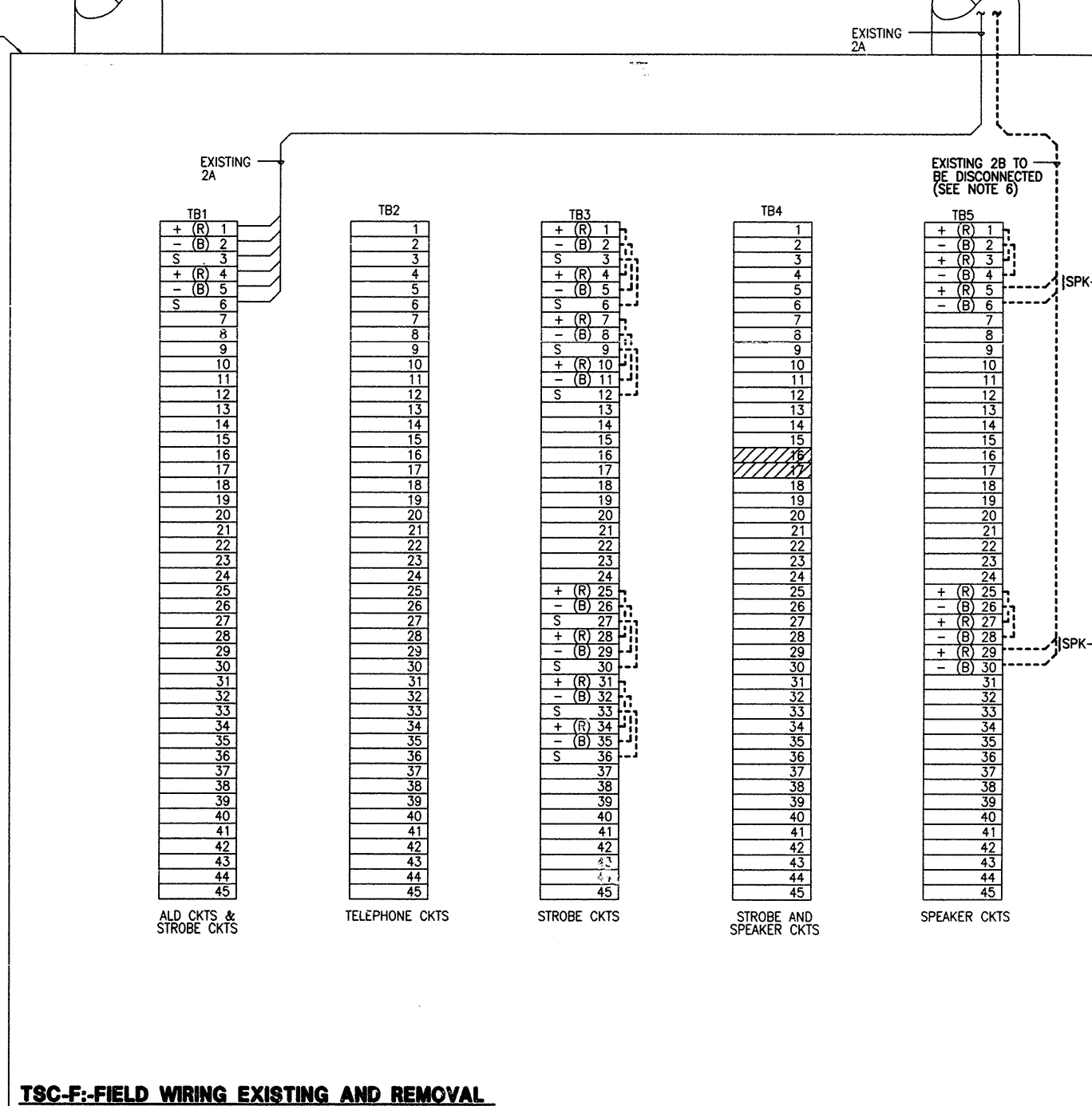
S. FELDSTEIN N. PALACIOS A.S.  
Designed by Drawn by Checked by

NOVEMBER 26, 1999  
Date

WTC-861.573 E-03-9  
Contract Number Drawing Number



### TSC-F: SYSTEM WIRING EXISTING AND REMOVAL



### TSC-F: FIELD WIRING EXISTING AND REMOVAL